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APPLICATION NO	. FI	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/085,347	(02/27/2002	Sunyu Su	33379US1	8546
116	7590	07/27/2005	•	EXAM	INER
PEARNE		- - · ——–	MANTIS MERCADER, ELENI M		
1801 EAST SUITE 120	Γ9TH STRI 10	EET	ART UNIT	PAPER NUMBER	
	-	44114-3108	3737		

DATE MAILED: 07/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
085 4-5/- 0	10/085,347	SU ET AL.					
Office Action Summary	Examiner	Art Unit					
	Eleni Mantis Mercader	3737					
The MAILING DATE of this communicated Period for Reply	ation appears on the cover sheet with	the correspondence address					
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNIC - Extensions of time may be available under the provisions of after SIX (6) MONTHS from the mailing date of this communing the period for repty specified above is less than thirty (30). If NO period for repty is specified above, the maximum statuser. Failure to repty within the set or extended period for repty with Any repty received by the Office later than three months after earned patent term adjustment. See 37 CFR 1.704(b).	ATION. 37 CFR 1.136(a). In no event, however, may a replacation. days, a reply within the statutory minimum of thirty (tory period will apply and will expire SIX (6) MONTHII, by statute, cause the application to become ABAN	ly be timely filed 30) days will be considered timely. IS from the mailing date of this communication. NDONED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed	on <i>04 May 2005</i> .						
2a) This action is FINAL . 2b							
3) Since this application is in condition for	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
	Claim(s) <u>1-20</u> is/are pending in the application.						
5) Claim(s) is/are allowed.	4a) Of the above claim(s) is/are withdrawn from consideration.						
6)⊠ Claim(s) <u>1-20</u> is/are rejected.	· · · ——						
7) Claim(s) is/are objected to.							
	Claim(s) are subject to restriction and/or election requirement.						
Application Papers							
9) ☐ The specification is objected to by the	Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
Applicant may not request that any objecti		• •					
Replacement drawing sheet(s) including the	- · · · · · · · · · · · · · · · · · · ·	-					
11) ☐ The oath or declaration is objected to t	by the Examiner. Note the attached (Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
 Copies of the certified copies of application from the International 	ocuments have been received. ocuments have been received in App the priority documents have been re al Bureau (PCT Rule 17.2(a)).	plication No eceived in this National Stage					
* See the attached detailed Office action	for a list of the certified copies not re	eceived.					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Sur						
 Notice of Draftsperson's Patent Drawing Review (PTG) Information Disclosure Statement(s) (PTO-1449 or PTO-1449 or PTO-		Mail Date ormal Patent Application (PTO-152)					
Paper No(s)/Mail Date	6) Other:	· · · · · · · · · · · · · · · · · · ·					

DETAILED ACTION

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Response to Arguments

Examiner respectfully disagrees that the Su et al.'572 reference does not teach a null "with only one peak" because as the Applicant points out the reference teaches a null and two peaks, thereby including two of "only one peak". The current claim language uses the open term "comprising" thereby not excluding more than a peak sensitivity profile. No terminal disclaimers have been filed with respect to the double patenting rejections, therefore those rejections are also maintained. On these grounds the rejection is maintained and made final. However, prosecution is re-opened to address all the relevant claims.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See In re Goodman, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); In re Longi, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); In re Van Ornum, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); In re Vogel, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, In re Thorington, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

2. Claims 1-20 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-25 of copending Application No. 10/283,213 (as was presented in PGPUBs 20030114748). Although the conflicting claims are not identical, they are not patentably distinct from each other because they represent alternate variations and groupings.

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This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

3. Claims 1-20 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-25 of copending Application No. 10/283,292 (as was presented in PGPUBs 20030109782). Although the conflicting claims are not identical, they are not patentably distinct from each other because they represent alternate variations and groupings.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

4. Claims 1-20 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-25 of copending Application No. 09/935,705 (as was presented in PGPUBs 20020013526). Although the conflicting claims are not identical, they are not patentably distinct from each other because they represent alternate variations and groupings.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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6,493,572 to Su et al.'572.

Su et al.'572 disclose an inherently de-coupled sandwiched solenoidal array coil. The array contains a first coil having a null B sub 1 point and a quasi one peak sensitivity profile, and a second coil oriented with respect to the first coil in a manner that reduces coupling. Several orientations of coils are presented, including overlapping and cascading configurations. The first coil has two sections in which the sections have a different number of turns and the second section has a counter rotational orientation with respect to the first section (column 3, lines 47-65; column 6, lines 38-67; column 7, lines 1-57; column 8, lines 1-15 and 55-67; column 9, lines 4-43; figures 1-8).

Su et al.'572 does not explicitly teach a single peak. However, it would have been obvious to one skilled in the art at the time that the invention was made that the Su et al.'572 reference teaches a null "with only one peak" because the reference teaches a null and two peaks, thereby including two of "only one peak". The current claim language uses the open term "comprising" thereby not excluding more than a peak sensitivity profile.

Furthermore, the alternative coil configurations are well known functional equivalents.

The applied reference has a common inventor with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Conclusion

6. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eleni Mantis Mercader whose telephone number is 703 308-0899. The examiner can normally be reached on Mon. - Fri., 8:00 a.m.-6:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Angela Sykes can be reached on (703) 308-5181. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Eleni Mantis Mercader Primary Examiner Page 6

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EMM